Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: SU5000RT3UHV

SmartOnline Expandable Rack / Tower UPS System - Online, double-conversion protection for mission critical applications

Highlights

- 5000VA online 5U rack / tower UPS (3U Power Module + 2U Battery Pack)
- Zero transfer time, on-line, double-conversion and economy-mode operation supported
- Enhanced serial communications ports, SNMP/Web card slot and EPO jack
- Maintains 200, 208, 220, 230 or 240V output +/-2% during brownouts to 156 and overvoltages to 276V
- Expandable runtime with optional external battery packs
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite 5kVA Smart Online RM UPS. 5000VA on-line, double-conversion UPS for server, network and telecommunications equipment. Maintains battery derived AC output during blackouts with active, full-time power conditioning. Fault-tolerant auto-bypass prevents unexpected service interruptions during overload or internal fault conditions. 3U power module and 2U battery pack install in 5 rack spaces. Full-time sine wave output within 2% of selectable 200/208/220/230/240V AC. Corrects brownouts to 156V and overvoltages to 276V. Frequency regulation locks output power to 50/60Hz (+/-0.2%)/Expandable runtime with optional rackmount external battery packs. Double-conversion UPS converts raw input from AC to DC, then back to perfect sine wave AC output with enhanced protection from harmonic distortion, fast electrical impulses and other hard-to-solve power problems not addressed by other UPS types. Highly efficient operation in optional economy mode setting, saving BTU heat output and energy costs. Network-grade AC surge and noise suppression. Network management interfaces include 2 DB9 ports and SNMPWEBCARD slot. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Front panel LEDs and LCD readout with scroll controls support visual monitoring of all major UPS functions. Audible alarm. Self test. 4-post rackmount accessories included; 2-9USTAND and 2POSTRMKITWM accessories available. L6-30P plug-in connection; built-in L6-30 & L6-20 outlets. Power Distribution Unit (PDU) options supported. Field-replaceable, hot-swappable external battery packs. Attractive all-black color scheme. 2-year warranty and $250,000 connected equipment insurance; extended warranty and service contracts available.

Applications

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

Features

- True online, double-conversion UPS provides pure, full-time sine wave AC output free of surges, voltage fluctuations and line noise
- 5000VA/3500 watt output power capacity compatible with 200-240V applications at 50/60 Hz
- 3U power module and 2U battery pack installs in any 19 inch rack enclosure using only 5 rack spaces
- Double conversion UPS actively converts raw input from AC to DC, then back to perfect sine wave AC output with enhanced protection from harmonic distortion, fast electrical impulses and other hard-to-solve power problems not addressed by other UPS types
- Provides perfectly regulated, sine wave output power free of line noise, transient surges and frequency variation for the most efficient operation of critical servers, networking and telecommunications equipment

- Accepts input voltages between 156 and 276, regulating output within 2% of selected 200/208/220/230/240V nominal voltage
- Supports connected equipment during blackouts for 20/8 minutes at half/full load levels. Runtime is further expandable with optional external battery packs
- Network interfaces support simultaneous communications via 2 DB9 ports and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, AC line frequency, timed inverter shutoff, activate self-test and output power control
- Built-in Emergency Power Off (EPO) interface with cable
- Includes 4 built-in output receptacles (2 L6-30R, 2 L6-20R)
- L6-30P input plug-in connection
- Front panel LEDs and LCD readout with scroll button enables visual confirmation of all major UPS functions and current site electrical conditions
- Front panel switches enable power on/off control, self-test and alarm cancel functions
- Included adjustable mounting rails support installation in 4 post 19 inch rack enclosures. Optional 2POSTRMKITWM supports 2 post rackmount installation
- UPS ships fully assembled in full compliance with DOT regulations, no time consuming connection of internal batteries by user is required
- Fault-tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- 2 year manufacturer's product warranty, $250,000 Ultimate Lifetime Insurance (USA & Canada only)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208V AC (200/208/220/230/240V)
Frequency compatibility	50/60Hz
OUTPUT	
Output VA	5000
Output watts	3500
Output nominal voltage	208V AC (200/208/220/230/240V)
Output voltage regulation	Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 5% total harmonic distortion
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type	2 NEMA L6-30R, 2 NEMA L6-20R
Overload protection	Resettable circuit breaker
INPUT	
Maximum input amps	24A 208V / 21A 240V
Input connection type	NEMA L6-30P
Input cord length	10 ft / 3 m
Recommended Electrical Service	30A at 200, 208, 220, 230, 240V
BATTERY	
Full load runtime	8 minutes (5000VA / 3500 watts)
Half load runtime	20 minutes (2500VA / 1750 watts)
Expandable battery runtime	Yes, with optional external battery packs
DC system voltage	240V DC
Typical battery lifespan	4-6 years

Battery recharge rate	2-4 hours
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion process give this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 276V AC, regulating output within 2% of selected nominal
Brownout correction	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156VAC, regulating output within 2% of selected nominal
LEDS ALARMS & SWITCHES	
Front panel LEDs	6 LED DISPLAY: line power, bypass, inverter, charger, output AC and battery operation.
Alarms	Multi-function audible alarm offers notification of UPS start, backup operation, low battery, overload, UPS fault, inverter fault, DC bus fault, overtemperature, remote shutdown, shutdown imminent and shutdown complete
Switches	Includes main power off/on switch, plus 2 switches to set and execute scrollable LCD functions
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	196
Shipping weight (kg)	89.1
Shipping Dimensions (HWD/in)	25 x 40 x 48
Shipping Dimensions (HWD/cm)	63.5 x 101.6 x 121.9
Unit weight (lbs)	Power Module: 42 lbs., Battery Pack: 92 lbs.
Unit weight (kg)	Power Module: 19.1kg, Battery Pack: 41.8kg
Unit Dimensions (HWD/in)	Power Module: 5.25 x 17.5 x 26, Battery Pack: 3.5 x 17.5 x 22.5
Unit Dimensions (HWD/cm)	Power Module: 13.3 x 44.5 x 66 , Battery Pack: 8.9 x 44.5 x 57.2
Material of construction	Steel
Form factors supported	Rack (5U)
Cooling method	Fan
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit
Operating Temperature	+32 to +104 degrees Fahrenheit
Line mode BTU/hr. (Max.)	1937.3
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in DB9 monitoring ports (1-RS232 / 1-contact closure)
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included.
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories

LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	Zero, online UPS continuously converts incoming AC to DC, then back to AC. When line power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low voltage transfer to battery power	Maintains continuous operation during undervoltages as low as 156VAC. Below this point, output is maintained utilizing battery reserves.
High voltage transfer to battery power	Maintains continuous operation during overvoltages to 276VAC. Above this point, output is maintained utilizing battery reserves.
SPECIAL FEATURES	
EPO port	Includes dedicated EPO (emergency power off) interface and cabling
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black steel rackmount housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP240V10RT3U, BP240V557C-1PH, BP240V787C-1PH, BP240V1037C-1PH, BP240V1407C-1PH (optional)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), Class A (Emissions), CE, NOM (Mexico), GOST, SASO
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	$250,000 connected equipment insurance (USA and Canada only)
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite

Related Items

Extended Warranties		
WEXT3-SU5000HV	3-Year Extended Warranty - For SU5000RT3UHV UPS only	Qty: [optional]
WEXT5-SU5000HV	5-Year Extended Warranty - For SU5000RT3UHV UPS only	Qty: [optional]

External Battery Packs		
BP240V10RT3U	External Battery Pack and Cable. 3U, Expandable, Black 3-Point Connector	Qty: [optional]
BP240V10RT3U	External Battery Pack and Cable. 3U, Expandable, Black 3-Point Connector	Qty: [optional]
BP240V557C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V787C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1407C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1037C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

Shutdown Cable Kits		
AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	Qty: [optional]

Start-Up/Warranty Services

W02-BW0	Regular business hours start-up, excludes on-site warranty.	Qty: [optional]
W02-BW2-1BD	Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW2-247	Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-BW3-1BD	Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-BW3-247	Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW0	Evening or weekend hours start-up, excludes on-site warranty.	Qty: [optional]
W02-EW2-1BD	Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW2-247	Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW3-1BD	Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW3-247	Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-BW1-1BD	Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW1-247	Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-EW1-1BD	Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW1-247	Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=2874.

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